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(54) Title: COMPOSITIONS FOR USE IN IDENTIFICATION OF BACTERIA

(57) Abstract: The present invention provides compositions, kits and methods for rapid identification and quantification of bacteria by molecular mass and base composition analysis.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
INV. C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, EMBASE, CHEM ABS Data, Sequence Search

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE EMBL embl; arabidopsis thaliana T-DNA flanking sequence AJ 29 March 2003 (2003-03-29), BRUNAUD V. ET AL.: XP002395797 retrieved from EMBL Database accession no. AJ552897 abstract	2-4,12
X	DATABASE EMBL embl; 18 August 2003 (2003-08-18), XP002395798 retrieved from EMBL Database accession no. AR321656 abstract ----- -/--	1,3,12

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents :

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E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

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Date of the actual completion of the international search

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	& US 6 563 025 B1 (BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS) 13 May 2003 (2003-05-13) see seq id 10	1
X	DEURENBERG R H ET AL: "Rapid detection of Panton-Valentine leukocidin from clinical isolates of Staphylococcus aureus strains by real-time PCR" FEMS MICROBIOLOGY LETTERS, AMSTERDAM, NL, vol. 240, no. 2, 15 November 2004 (2004-11-15), pages 225-228, XP004797128 ISSN: 0378-1097 the whole document	1-20
X	NAKAGAWA S ET AL: "Gene sequences and specific detection for Panton-Valentine leukocidin" BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, ACADEMIC PRESS INC. ORLANDO, FL, US, vol. 328, no. 4, 25 March 2005 (2005-03-25), pages 995-1002, XP004747569 ISSN: 0006-291X the whole document	1-20
X	GRAVET A ET AL: "Characterization of a novel structural member, LukE-LukD, of the bi-component staphylococcal leucotoxins family" FEBS LETTERS, ELSEVIER, AMSTERDAM, NL, vol. 436, no. 2, 2 October 1998 (1998-10-02), pages 202-208, XP004258421 ISSN: 0014-5793 see whole doc. esp. materials and methods	1-20
X	US 5 702 895 A (MATSUNAGA ET AL) 30 December 1997 (1997-12-30) the whole document	1-20
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International application No

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>BABA T. ET AL.: "genome and virulence determinants of high virulence community-acquired MRSA"</p> <p>THE LANCET, vol. 359, 25 May 2002 (2002-05-25), pages 1819-1827, XP002395794 the whole document</p> <p>-----</p>	
A	<p>HAMELS S ET AL: "CONSENSUS PCR AND MICROARRAY FOR DIAGNOSIS OF THE GENUS STAPHYLOCOCCUS, SPECIES, AND METHICILLIN RESISTANCE"</p> <p>BIOTECHNIQUES, INFORMA LIFE SCIENCES PUBLISHING, WESTBOROUGH, MA, US, vol. 31, no. 6, December 2001 (2001-12), pages 1364-1366, 1368, XP001153876 ISSN: 0736-6205 the whole document</p> <p>-----</p>	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2006/015160

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6563025	B1	13-05-2003	NONE
US 5702895	A	30-12-1997	NONE